Product data sheet

Specifications



colour touch panel screen, Harmony STO & STU, 5.7inch wide, without Schneider logo

HMISTU855W

Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU ARM9

Complementary

Display size	5.7 inch
Display type	QVGA TFT colour touchscreen
Display colour	65536 colours
Display resolution	320 x 240 pixels QVGA
Touch panel	Analogue
Backlight lifespan	50000 hours
Brightness	16 levels
Character font	ASCII Japanese (ANK, Kanji) Chinese (simplified Chinese) Taiwanese (traditional Chinese) Korean
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	20.4…28.8 V
Inrush current	30 A
Power consumption in W	6.8 W
Number of pages	Limited by internal memory capacity
Processor frequency	333 MHz
Memory description	Application memory 16 MB Back up of data 64 kB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A COM1 serial link - female RJ45 - RS232C/RS485 (rate: <= 115.2 kbits/s) power supply - removable screw terminal block 1 Ethernet - RJ45
Realtime clock	Access to the PLC real-time clock

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Downloadable protocols	Third party protocols Uni-TE Modbus Modbus TCP/IP
Fixing mode	Ø 22 mm hole
Enclosure material	PC/PBT and PAA
Marking	CE Without Schneider logo
Height	129.15 mm
Width	163 mm
Depth	56.5 mm
Net weight	0.871 kg

Environment

Immunity to microbreaks	7 ms
Standards	IEC 61000-6-2 UL 508 UL 1604 IEC 61131-2 FCC Class A
Product certifications	cULus C-Tick UL class 1 Div2 T4A ou T5 Marine UKCA
Ambient air temperature for operation	0…50 °C
Ambient air temperature for storage	-20…60 °C
Relative humidity	0…85 % without condensation
Operating altitude	<= 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/- 3.5 mm (f = 5…9 Hz) conforming to IEC 60068-2-6 1 gn (f = 9…150 Hz) conforming to IEC 60068-2-6
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.500 cm
Package 1 Width	19.000 cm
Package 1 Length	27.000 cm
Package 1 Weight	912.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm

Package 2 Length	40.000 cm
Package 2 Weight	8.037 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	802
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

F-gas free	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	7a6de532-1e9f-4049-9a61-3f413d116265
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Removable battery	User replaceable
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins